

# **ACRONYMS and ABBREVIATIONS**

## **FOR CONTAMINANT FACT SHEETS**



<u>ACRONYM/ABBREVIATION</u>	<u>DEFINITION</u>
$\alpha$	alpha (radionuclides)
AA	activated alumina
AC	activated carbon
A&E	architectural and engineering
$\text{Al}_2(\text{SO}_4)_3$	aluminum sulfate (alum)
AS	air stripper
AWTR	Advanced Water Treatment Research Program
Ba	barium
BAT	best available technology
Be	beryllium
BLS	Bureau of Labor Statistics
$\beta$	beta (radionuclides)
$^{\circ}\text{C}$	degrees Celsius
Ca	calcium
$\text{CaCO}_3$	calcium carbonate
$\text{Ca}(\text{OH})_2$	calcium hydroxide (lime)
Cd	cadmium
CFU	colony forming units
$\text{Cl}^-$	chloride ion
$\text{Cl}_2$	chlorine
$\text{CO}_2$	carbon dioxide
Cr	chromium
CSI	Construction Specification Institute
cu	color unit
Cu	copper
DBPR	Disinfection Byproducts Rule
DE	diatomaceous earth
DesalR&D	Water Desalination Research and Development Program
DF	direct filtration
DT	detention time
DWPR	Desalination and Water Purification Research and Development Program
F	fluorine
$\text{F}^-$	fluoride
$^{\circ}\text{F}$	degrees Fahrenheit
ED	electrodialysis
EDR	electrodialysis reversal
ENR	Engineering News Record
FDA	Food and Drug Administration
Fe	iron
$\text{Fe}_2(\text{SO}_4)_3$	ferric sulfate
FLR	filter loading rate
ft/sec	feet per second
$\text{ft}^2$	square foot
$\text{ft}^3$	cubic foot
g	gram
G	velocity gradient - feet per second per foot
GAC	granular activated carbon
gal	gallon
gal/min/ $\text{ft}^2$	gallon per minute per square foot

HCO <sub>3</sub> <sup>-</sup>	bicarbonate
HDPE	high density polyethylene
Hg	mercury
HOCl	hypochlorous acid
hr	hour
hr/day	hours per day
H <sub>2</sub> S	hydrogen sulfide
IX	ion exchange
K	potassium
KCl	potassium chloride
KMnO <sub>4</sub>	potassium permanganate
kPa	kilopascal
Kw	kilowatt
Kw-hr	kilowatt hour
lbs	pounds
L	liter
m	meter
m <sup>2</sup>	square meters
m <sup>3</sup>	cubic meters
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MF/L	million fibers per liter
Mg	magnesium
MgCO <sub>3</sub>	magnesium carbonate
MgSO <sub>4</sub>	magnesium sulfate
MGD	million gallons per day
mg/L	milligrams per liter (ppm)
min	minute
mL	milliliter
Mn	manganese
MSDS	material safety data sheets
MTP	mobile treatment plant
MW	molecular weight
Na	sodium
NaCl	sodium chloride
Na <sub>2</sub> CO <sub>3</sub>	sodium carbonate (soda ash)
NaF	sodium fluoride
NaHSO <sub>3</sub>	sodium bisulfite
NF	nanofiltration
Ni	nickel
NO <sub>3</sub> <sup>-</sup>	nitrate ion
NO <sub>2</sub> <sup>-</sup>	nitrite ion
NOM	natural organic matter
NPDES	National Pollutant Discharge Elimination System
NSF	National Sanitation Foundation
NTU	nephelometric turbidity unit
OCl	hypochlorite ion
OH <sup>-</sup>	hydroxide
O&M	operation and maintenance
PAC	powdered activated carbon
Pb	lead
pCi/L	pico Curie per liter
PCBs	polychlorinated biphenols
PFU	plate forming units
pH	acidic or basic value, hydrogen ion concentration
POE	point-of-entry
POU	point-of-use
ppb	parts per billion ( $\mu\text{g}/\text{L}$ )
PPE	personal protective equipment
PPI	producer price index
ppm	parts per million (mg/L)
psi	pounds per square inch

Ra	radium
RO	reverse osmosis
Rn	radon
RT	retention time
Sb	antimony
SCC	solids contact clarifier
SDWA	Safe Drinking Water Act
Se	selenium
Se <sup>+4</sup>	selenite (in water)
Se <sup>+6</sup>	selenate (in water)
sec	second
SLR	surface loading rate
SMCL	secondary maximum contaminant level
SO <sub>4</sub> <sup>-2</sup>	sulfate ion
SOC	synthetic organic chemicals
TDH	total dynamic head
TDS	total dissolved solids
THM	trihalomethane
Tl	thallium
TTHMs	total trihalomethanes
ton	threshold odor number
TPC	total plant cost
TSS	total suspended solids
TT	treatment technique
µg/L	microgram per liter (ppb)
µm	micrometer
U	uranium
USEPA	United States Environmental Protection Agency
UST	underground storage tank
UV	ultraviolet
VOC	volatile organic chemical
w	watt
WaTER	water treatment estimation routine
WTTP	Water Treatment Technology Program
Zn	zinc